

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"3098168".pn. or "3114070".pn. or "3121809".pn. or "3916227".pn. or "5266867".pn. or "5359257".pn.	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:20
S2	57	(electron adj5 emi\$7) same (metal and (n adj6 semiconductor))	US-PGPUB; USPAT	OR	OFF	2004/03/27 13:48
S3	5	("4303930"   "4516146"   "5090932"   "5483263"   "5541478").PN.	USPAT	OR	OFF	2004/03/19 14:53
S4	44	"4303930".URPN.	USPAT	OR	OFF	2004/03/19 14:55
S5	78	(surface adj4 potential adj4 barrier) same semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/22 12:36
S6	10	("4307507"   "4542256"   "4766340"   "5057047"   "5150192"   "5188977"   "5283501"   "5369289"   "5371382"   "5404032").PN.	USPAT	OR	OFF	2004/03/22 11:18
S7	3	"5773920".URPN.	USPAT	OR	OFF	2004/03/22 11:40
S8	7	"5581146"	US-PGPUB; USPAT	OR	OFF	2004/03/22 12:44
S9	107	"70638"	EPO; JPO; DERWENT	OR	OFF	2004/03/22 13:44
S10	356	(electron adj5 emi\$) with (metal and semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:47
S11	85	band adj bend\$ adj6 semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:49
S12	17	(band adj bend\$ adj6 semiconductor) and (surface adj4 potential)	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:57
S13	1362	313/326.ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:18
S14	12	313/326.ccls. and ((electron adj4 emi\$) same (semiconductor))	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:58
S15	0	313/326.ccls.and (electron near (emission emitting emitter) near bias)	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:19
S16	2	313/326.ccls.and ((electron near (emission emitting emitter)) same bias)	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:23
S17	74	313/309-311.ccls.and ((electron near (emission emitting emitter)) same bias)	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:23

S18	9	("5066883"   "5289086"   "5588894"   "5616368"   "5619092"   "5619903"   "5681196"   "5753997"   "5757114").PN.	USPAT	OR	OFF	2004/03/23 14:32
S19	9	("5066883"   "5289086"   "5588894"   "5616368"   "5619092"   "5619903"   "5681196"   "5753997"   "5757114").PN.	USPAT	OR	OFF	2004/03/23 14:32
S20	1	"6046542".URPN.	USPAT	OR	OFF	2004/03/23 14:47
S21	4	("3334248"   "3581151"   "3958143"   "4682074").PN.	USPAT	OR	OFF	2004/03/23 15:29
S22	7	("5212426"   "5256888"   "5268648"   "5318918"   "5359256"   "5521461"   "5572041").PN.	USPAT	OR	OFF	2004/03/23 15:42
S23	306	257/10.ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:28
S24	3	257/10.ccls. and (metal adj5 semiconductor adj junction)	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:20
S25	66	257/10.ccls. and (cathode with semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:32
S26	7	"5359257"	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:37
S27	2	"3098168"	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:38
S28	1	"3098168".URPN.	USPAT	OR	OFF	2004/03/23 16:41
S29	13	"4324999"	US-PGPUB; USPAT	OR	OFF	2004/03/24 14:44
S30	276	313/309,310.ccls. and ((electron adj6 emi\$) same semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/24 18:04
S31	89	(high-current avalance-tunneling and injection-tunneling).ti.	US-PGPUB; USPAT	OR	OFF	2004/03/24 14:52
S32	5	("5894189"   "5936257"   "5962959"   "6313572"   "6414433").PN.	USPAT	OR	OFF	2004/03/24 15:51
S33	17	("3615901"   "5729094"   "5747918"   "5777427"   "5828162"   "5936257"   "5944573"   "5973451"   "5977697"   "5986390"   "5990605"   "6008502"   "6066922"   "6130504"   "6144155"   "6274881"   "6388366").PN.	USPAT	OR	OFF	2004/03/24 16:07

S34	17	("3615901"   "5729094"   "5747918"   "5777427"   "5828162"   "5936257"   "5944573"   "5973451"   "5977697"   "5986390"   "5990605"   "6008502"   "6066922"   "6130504"   "6144155"   "6274881"   "6388366").PN.	USPAT	OR	OFF	2004/03/24 16:30
S35	12	"5990605".URPN.	USPAT	OR	OFF	2004/03/24 16:30
S36	7	("4801994"   "5202571"   "5202605"   "5410166"   "5430348"   "5729094"   "5880481").PN.	USPAT	OR	OFF	2004/03/24 17:17
S37	74	"5202571".URPN.	USPAT	OR	OFF	2004/03/24 17:26
S38	10	("4307507"   "4542256"   "4766340"   "5057047"   "5150192"   "5188977"   "5283501"   "5369289"   "5371382"   "5404032").PN.	USPAT	OR	OFF	2004/03/24 17:52
S39	0	(electron adj5 (emitter emission )) same (metal with semiconductor) same (surface adj5 potential adj barrier)	US-PGPUB; USPAT	OR	OFF	2004/03/24 18:05
S40	260	(electron adj5 (emitter emission )) same (metal with semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/24 18:05
S41	3	"9940601"	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:39
S42	4	(electron adj3 emission) with (potential adj barrier)	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:42
S43	0	cathode same ((emitters (electron adj emission)) with semiconductor with (potential adj barrier))	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:43
S44	5	cathode same (semiconductors with emission)	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:46
S45	6	(cathode or (electron adj5 emi\$7)) same ((metal and (n adj6 semiconductor)) with thickness)	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:13
S46	10	("4356429"   "4539507"   "4720432"   "4769292"   "4885211"   "5047687"   "5429884"   "5677572"   "5739653"   "6198219").PN.	USPAT	OR	OFF	2004/03/27 13:52
S47	17	"5677572".URPN.	USPAT	OR	OFF	2004/03/27 13:54
S48	8	("4971948"   "5063183"   "5075796"   "5157541"   "5262668"   "5492776"   "5519234"   "5525380").PN.	USPAT	OR	OFF	2004/03/27 13:56

S49	10	("4356429"   "4539507"   "4720432"   "4769292"   "4885211"   "5047687"   "5429884"   "5677572"   "5739653"   "6198219").PN.	USPAT	OR	OFF	2004/03/27 13:58
S50	96	surface near emission near cathode	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:13
S51	0	(surface near emission near cathode) and semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:13
S52	34	(surface near emission near cathode) and semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:14
S53	15	(surface near emission near cathode) and (semiconductor with metal)	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:52
S54	1	"3114070"	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:57
S55	2	"3098168"	US-PGPUB; USPAT	OR	OFF	2004/03/27 15:09
S56	18	"3611077".URPN.	USPAT	OR	OFF	2004/03/27 15:06
S57	2	"3916227"	US-PGPUB; USPAT	OR	OFF	2004/03/27 15:18
S58	4	"5266867"	US-PGPUB; USPAT	OR	OFF	2004/03/27 15:37
S59	2	"05342983"	EPO; JPO; DERWENT	OR	OFF	2004/03/27 16:00
S60	1	"6046542".URPN.	USPAT	OR	OFF	2004/03/27 16:12
S61	5	("4303930"   "4516146"   "5090932"   "5483263"   "5541478").PN.	USPAT	OR	OFF	2004/03/27 16:12
S62	1	"6635979".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:38
S63	2	"6046542"	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:49
S64	5	("4303930"   "4516146"   "5090932"   "5483263"   "5541478").PN.	USPAT	OR	OFF	2004/03/29 08:38
S65	1	"3114070"	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:51
S66	405	((semiconductor adj6 (film layer)) with (thickness thick)) and (electron adj3 emi\$)	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:52
S67	101	((semiconductor adj6 (film layer)) with (thickness thick)) and (electron adj3 emi\$) and "313"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/29 09:12



S68	6	("3665241"   "5360759"   "5430300"   "5726464"   "5990605"   "6249080").PN.	USPAT	OR	OFF	2004/03/29 08:58
S69	1	"5773920".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 13:26
S70	1	"6635979".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 12:13
S71	1	"6046542".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 12:15
S72	1	"5359257".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 13:26
S73	0	((junction near semiconductor) same ((surface adj4 potential adj4 barrier)near height))and (electron near emi\$7)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:22
S74	0	(( semiconductor) same ((surface adj4 potential adj4 barrier)near height))and (electron near emi\$7)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:22
S75	1	((surface adj4 potential adj4 barrier)near height))and (electron near emi\$7)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:23
S76	12	((surface adj4 potential adj4 barrier)near height))	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:23
S77	20	("20040003828"   "3850508"   "4544887"   "4558660"   "4581578"   "4599558"   "4824698"   "4871417"   "5216362"   "5306671"   "5453702"   "5470799"   "5471293"   "5581194"   "5661408"   "5663657"   "5716495"   "5977788"   "6166354"   "6326220").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 10:29
S78	9	shannon.in. and (electron near device)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:35
S79	1	("6046542").URPN.	USPAT	OR	OFF	2004/11/22 10:32
S80	1747	(electron near (emitter emission emi\$6)) same (semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:35
S81	54	((electron near (emitter emission emi\$6)) same (semiconductor)) and (surface adj potential)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:57
S82	0	(junction near (metal and (semiconductor semi-conductor)))same (electron adj (emitting emission emi\$7))	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:59
S83	674	(metal and (semiconductor semi-conductor))same (electron adj (emitting emission emi\$7))	US-PGPUB; USPAT	OR	OFF	2004/11/22 11:05

S84	6289	cathode with semiconductor	US-PGPUB; USPAT	OR	OFF	2004/11/22 11:06
S85	664	(cathode with semiconductor) and (electron adj (emission emitting emi\$7))	US-PGPUB; USPAT	OR	OFF	2004/11/22 11:06
S86	58	S85 and (potential adj barrier)	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:00
S87	5	("4303930"   "4516146"   "5090932"   "5483263"   "5541478").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 11:52
S88	3	("5827100").URPN.	USPAT	OR	OFF	2004/11/22 12:19
S89	37	313/496.ccls. and ((electron near emission) same semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:08
S90	4	"5359257".pn. or "5266867".pn. or "3121809".pn. or "3916227". pn.	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:12
S91	6	("5359257").URPN.	USPAT	OR	OFF	2004/11/22 13:12
S92	8	("3121809").URPN.	USPAT	OR	OFF	2004/11/22 13:13
S93	1	("6046542").URPN.	USPAT	OR	OFF	2004/11/22 13:21
S94	2	"05342983"	EPO; JPO; DERWENT	OR	OFF	2004/11/22 13:26
S95	2	"08007746"	EPO; JPO; DERWENT	OR	OFF	2004/11/22 13:27
S96	7	"5359257"	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:27
S97	346	schottky near height	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:28
S98	6	(schottky near height) and (electron adj (emission emitting emi\$8))	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:31
S99	60	(schottky near height) and (junction near semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:32
S10 0	5	("4303930"   "4516146"   "5090932"   "5483263"   "5541478").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/30 16:39
S10 1	15	(semiconductor near doping) same (potential adj4 barrier)	US-PGPUB; USPAT	OR	OFF	2004/11/30 17:10
S10 2	8	("3808477").URPN.	USPAT	OR	OFF	2004/11/30 17:29
S10 3	17	("3964084").URPN.	USPAT	OR	OFF	2004/11/30 18:13
S10 4	1	"3114070".pn.	US-PGPUB; USPAT	OR	OFF	2004/11/30 18:13
S10 5	0	("3114070").URPN.	USPAT	OR	OFF	2004/11/30 18:14

S10 6	1	"3916227".pn.	US-PGPUB; USPAT	OR	OFF	2004/11/30 18:14
S10 7	30	barrier same ((Pt platinum) with (SiC silicon-carbide))	US-PGPUB; USPAT	OR	OFF	2004/12/09 18:40
S10 8	4786	(cathode (electron adj4 emi\$5)) same (metal and semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/12/10 11:58
S10 9	193	S108 and (barrier near height)	US-PGPUB; USPAT	OR	OFF	2004/12/10 11:46
S11 0	4	(cathode (electron adj4 emi\$5)) same (metal and semiconductor) same (barrier adj5 height)	EPO; JPO; DERWENT	OR	OFF	2004/12/10 11:59